



Attorney's Docket No.: 18837-036001

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Huang et al.

Art Unit : 2872

Serial No. : 09/900,092

Examiner : C. Curtis

Filed : July 5, 2001

Title : DUAL-STATE OPTICAL ISOLATOR MINIMIZED POLARIZATION MODE
DISPERSION AND SIMPLIFIED FABRICATION PROCESS

Commissioner for Patents
Washington, D.C. 20231

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AMENDMENT AND RESPONSE

In response to the action mailed September 11, 2002, please amend the application as follows:

In the claims:

Please amend claims 2, 4, 5, 9 and 11-14 as follows:

2. (Amended) The optical isolator of claim 1, wherein said first stage comprises:
a first birefringent wedge having an optic axis and a first wedge angle;
a second birefringent wedge having an optic axis 45° apart from said optic axis of said first birefringent wedge and a second wedge angle; and
a first Faraday rotator disposed between said first and said second wedges.

4. (Amended) The optical isolator of claim 3, wherein said first Faraday rotator is configured to rotate the polarization of applied light by 45°.

5. (Amended) The optical isolator of claim 4, wherein said second stage comprises:
a third birefringent wedge having an optic axis 90° apart from the second birefringent wedge and a third wedge angle;

CERTIFICATE OF MAILING BY FIRST CLASS MAIL

I hereby certify under 37 CFR §1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated below and is addressed to the Commissioner for Patents, Washington, D.C. 20231.

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